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# TITLE

## THREE-AXIS ATTITUDE CONTROL PROPULSION DEVICE AND FLYING OBJECT COMPRISING THE SAME

### BACKGROUND OF THE INVENTION

#### Field of the Invention

The present invention relates to a three-axis attitude control propulsion device as a part of a five-axis attitude control propulsion device  
5 used in a flying object. The device of the present invention is specifically  
suitable for use in a flying object such as ~~of~~ an artificial satellite,  
on-trajectory work station, lunar probe, planet probe, aerospace craft,  
launching rocket, etc.

#### 10 Description of the Prior Art

A ~~Such a~~ flying object is known that flies or cruises while its  
attitude is being controlled by a propulsion device performing a five-axis  
attitude control. The propulsion device in this case is a prime mover that  
obtains a thrust as a reaction upon an action to jet outside a high pressure  
15 fluid, especially a high temperature and high pressure gas. As a typical  
one of the propulsion ~~device~~ devices, a rocket engine is known.

In the flying object of the above-mentioned type, the attitude control  
or proceeding direction control is carried out by the propulsion device  
performing the five-axis control in total of a two-axis translational control  
20 and a three-axis attitude control.